

ABSTRACT OF THE DISCLOSURE

[0061] An initial number of bits associated with an initial common scale factor is determined, an initial increment is computed using the initial number of bits and a target number of bits, and the initial scale factor is incremented by the initial increment. Further, the incremented common scale factor is adjusted based on the target number of bits, and individual scale factors are computed based on the adjusted common scale factor and allowed distortion. If a current number of bits associated with the computed individual scale factors exceeds the target number of bits, the adjusted common scale factor is modified until a resulting number of bits no longer exceeds the target number of bits.